

Fact Sheets Supporting
“Do Not List” Recommendations



September 2005

Region 7

Water Segment: Alamo River

Pollutant: .alpha.-Endosulfan(Endosulfan 1)

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 14 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence Pollutant-Water

Beneficial Use: FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix: Water

**Water Quality Objective/
Water Quality Criterion:** CTR: freshwater acute maximum = 0.22 ppb for alpha-endosulfan. CTR: freshwater chronic maximum = 0.056 ppb for alpha-endosulfan as a 4-day average.

Data Used to Assess Water Quality: None of the 14 samples exceeded either of the criteria. All samples were non-detects, so there were no exceedances (CRBRWQCB, 2004c).

Spatial Representation: Samples were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8), AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6

(Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

Temporal Representation:

All samples were collected on 4/15/2003 and 6/21/01 at 7 different stations.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment: Alamo River

Pollutant: .beta.-Endosulfan (Endosulfan 2)

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 14 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: freshwater acute maximum = 0.22 ppb for beta-endosulfan. CTR: freshwater chronic maximum = 0.056 ppb for beta-endosulfan as a 4-day average.

Data Used to Assess Water Quality:

None of the 14 samples exceeded either of the criteria. All samples were non-detects (CRBRWQCB, 2004C).

Spatial Representation:

Samples were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8),

AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

Temporal Representation:

All samples were collected on 4/15/2003 and 6/21/01.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment: Alamo River

Pollutant: Aldrin

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 14 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because it cannot be determined if applicable water quality standards are exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: 3 ppb freshwater acute maximum.

Data Used to Assess Water Quality:

Data were collected by the RWQCB on 4/15/2003 and 6/21/01 at 7 different stations on the Alamo River. Of the 14 samples, all samples were non-detects, and did not exceed either of the criteria (CRBRWQCB, 2004c).

Spatial Representation:

Samples were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8),

AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

Temporal Representation:

All samples were collected on 4/15/2003 and 6/21/01.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment: Alamo River

Pollutant: Arsenic

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 7 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because it cannot be determined if applicable water quality standards are exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

USEPA: freshwater acute maximum = 340 ppb. USEPA: freshwater chronic maximum = 150 ppb.

Data Used to Assess Water Quality:

Data were collected by the RWQCB on 6/21/2001 at 7 different stations on the Alamo River. Of the 7 samples, all samples were non-detects and did not exceed either of the criteria (CRBRWQCB, 2004c).

Spatial Representation:

Samples were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8),

AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

Temporal Representation:

All samples were collected on 6/21/2001.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by North Coast Labs.

Region 7

Water Segment: Alamo River

Pollutant: Bacteria Indicators

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.3 of the Listing Policy. Under section 3.3 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. A few samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is insufficient justification in favor of placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Two of seven samples exceeded the water quality objective and this exceeds the allowable frequency listed in Table 3.2 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

R1 - Water Contact Recreation

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

Basin Plan: E. coli: Any sample shall not exceed the following maximum allowables: E. coli -- 400 per 100 ml.

***Data Used to Assess Water
Quality:***

Numeric data of bacteria counts generated from seven sample dates (some dates had multiple samples that were averaged as described in the Listing Policy section 6.1.5.6). Two of the samples exceeded the water quality objective (CRBRWQCB, 2004f).

Spatial Representation:

Two stations were sampled, each was situated along the Alamo River downstream of the international boundary with Mexico and upstream of the outlet (mouth) of Alamo River into the Salton Sea.

Temporal Representation:

Samples taken during the spring (May) and the fall (October) of 2002 and April

2003.

Environmental Conditions:

The Alamo River flows from Mexico through the Imperial Valley in the Salton Sea. Most of the water flowing through it comes from agricultural return flows.

Data Quality Assessment:

SWAMP QAPP.

Region 7

Water Segment: Alamo River

Pollutant: Cadmium

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 7 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because it cannot be determined if applicable water quality standards are exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: freshwater acute maximum hardness dependent. CTR: freshwater chronic maximum hardness dependent.

Data Used to Assess Water Quality:

Data were collected by the RWQCB on 6/21/2001 at 7 different stations on the Alamo River. All samples were non-detects, with a detection limit of 10 ppb. In comparison to the hardness-based criterion (using the hardness measurements collected with each sample), there were no exceedances because the detection limit is below the criteria for all samples (CRBRWQCB, 2004c).

Spatial Representation:

Samples were collected at the following Alamo River sampling stations: AR-B

(at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8), AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

Temporal Representation:

All samples were collected on 6/21/2001.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by North Coast Labs.

Region 7

Water Segment: Alamo River

Pollutant: Chlordane

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 14 samples exceeded the water quality criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because it cannot be determined if applicable water quality standards are exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

USEPA: 2.4 ppb freshwater acute maximum and freshwater chronic maximum = 0.0043 ppb as a 4-day average.

***Data Used to Assess Water
Quality:***

Data were collected by the RWQCB on 4/15/2003 at 7 different stations on the Alamo River. All samples were non-detects with a detection limit of 0.025 ppb, so there were no exceedances. Samples were also collected by the RWQCB on 6/21/2001 at 7 different stations on the Alamo River. All samples were non-detects, with a detection limit of 1 ppb, so there were no exceedances (CRBRWQCB, 2004C).

Spatial Representation:

Samples were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8), AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

Temporal Representation:

All samples were collected on 4/15/2003 and 6/21/2001.

Data Quality Assessment:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment: Alamo River

Pollutant: Chromium (total)

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 7 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because it cannot be determined if applicable water quality standards are exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

USEPA: freshwater acute maximum = 1724 ppb. USEPA: freshwater chronic maximum = 565 ppb.

Data Used to Assess Water Quality:

Data were collected by the RWQCB on 6/21/2001 at 7 different stations on the Alamo River. Of the 7 samples, all samples were non-detects and did not exceed either of the criteria (CRBRWQCB, 2004c).

Spatial Representation:

Samples were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8),

AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

Temporal Representation:

All samples were collected on 6/21/2001.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by North Coast Labs.

Region 7

Water Segment: Alamo River

Pollutant: Copper

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 7 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because it cannot be determined if applicable water quality standards are exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: freshwater acute maximum hardness dependent. CTR: freshwater chronic maximum hardness dependent.

Data Used to Assess Water Quality:

Data were collected by the RWQCB on 6/21/2001 at 7 different stations on the Alamo River. Of the 7 samples, all samples were non-detects and did not exceed either of the criteria (CRBRWQCB, 2004c).

Spatial Representation:

Samples were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8),

AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

Temporal Representation:

All samples were collected on 6/21/2001.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by North Coast Labs.

Region 7

Water Segment: Alamo River

Pollutant: Endrin

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 14 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: freshwater chronic maximum = 0.036 ppb. CTR: freshwater acute maximum = 0.086 ppb.

Data Used to Assess Water Quality:

Data were collected by the RWQCB on 4/15/2003 and 6/21/01 at 7 different stations on the Alamo River. Of the 14 samples, all samples were non-detects and did not exceed either of the criteria (CRBRWQCB, 2004c).

Spatial Representation:

Samples were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8),

AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

Temporal Representation:

All samples were collected on 4/15/2003 and 6/21/01.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and North Coast Labs. A Quality Assurance Manual was provided.

Region 7

Water Segment: Alamo River

Pollutant: Heptachlor

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 14 samples exceeded the water quality criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: freshwater chronic maximum = 0.0038 ppb and freshwater acute maximum = 0.52 ppb.

Data Used to Assess Water Quality:

Data were collected by the RWQCB on 4/15/2003 at 7 different stations on the Alamo River. All samples were non-detects, with a detection limit of 0.010 ppb. Samples were also collected on 6/21/2001 at 7 different stations. All samples were non-detects with a detection limit of 0.1 ppb (CRBRWQCB, 2004c).

Spatial Representation:

Samples were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at

Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8), AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

Temporal Representation:

All samples were collected on 4/15/2003 and 6/21/2001.

Data Quality Assessment:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and North Coast Labs. A Quality Assurance Manual was provided.

Region 7

Water Segment: Alamo River

Pollutant: Heptachlor epoxide

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 14 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: freshwater acute maximum = 0.52 ppb. CTR: freshwater chronic maximum = 0.0038 ppb.

Data Used to Assess Water Quality:

Data were collected by the RWQCB on 4/15/2003 and 6/21/01 at 7 different stations on the Alamo River. Of the 14 samples, all samples were non-detects and did not exceed either of the criteria (CRBRWQCB, 2004c).

Spatial Representation:

Samples were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8),

AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

Temporal Representation:

All samples were collected on 4/15/2003 and 6/21/01.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and North Coast Labs. A Quality Assurance Manual was provided.

Region 7

Water Segment: Alamo River

Pollutant: Lead

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 7 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because it cannot be determined if applicable water quality standards are exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: freshwater acute maximum hardness dependent. CTR: freshwater chronic maximum hardness dependent.

Data Used to Assess Water Quality:

Data were collected by the RWQCB on 6/21/2001 at 7 different stations on the Alamo River. Of the 7 samples, all samples were non-detects and did not exceed either of the criteria (CRBRWQCB, 2004c).

Spatial Representation:

Samples were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8),

AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

Temporal Representation:

All samples were collected on 6/21/2001.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by North Coast Labs.

Region 7

Water Segment: Alamo River

Pollutant: Mercury

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 7 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because it cannot be determined if applicable water quality standards are exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

USEPA: 50 ng/L.

Data Used to Assess Water Quality:

Data were collected by the RWQCB on 6/21/2001 at 7 different stations on the Alamo River. Of the 7 samples, all samples were non-detects and did not exceed either of the criteria (CRBRWQCB, 2004c).

Spatial Representation:

Samples were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8),

AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

Temporal Representation:

All samples were collected on 6/21/2001.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by North Coast Labs.

Region 7

Water Segment: Alamo River

Pollutant: Nickel

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 7 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because it cannot be determined if applicable water quality standards are exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: freshwater acute and chronic maximum hardness dependent.

***Data Used to Assess Water
Quality:***

Data were collected by the RWQCB on 6/21/2001 at 7 different stations on the Alamo River. Of the 7 samples, all samples were non-detects and did not exceed the criteria (CRBRWQCB, 2004c).

Spatial Representation:

Samples were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8),

AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

Temporal Representation:

All samples were collected on 6/21/2001.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by North Coast Labs.

Region 7

Water Segment: Alamo River

Pollutant: Oxygen, Dissolved

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Two of the 15 samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Two of 15 samples exceeded the water quality objective and this does not exceed the allowable frequency listed in Table 3.2 of the Listing Policy. For a sample size of 15, a minimum of 5 exceedances is needed to place this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

Colorado River RWQCB Basin Plan: The dissolved oxygen concentration for waters designated as warm freshwater habitat shall not be reduced below 5 mg/L.

Data Used to Assess Water Quality:

Fifteen samples were taken on the Alamo River from January 1997 to March 1998. There were 2 exceedances (CRBRWQCB, 2004c).

Spatial Representation: Unknown.

Temporal Representation: Samples were taken monthly from 1/28/97 through 3/17/98.

Environmental Conditions: The two exceedances were in July and August of 1997 when DO dropped below 5 mg/L.

Data Quality Assessment: Imperial Irrigation District SOPs.

Region 7

Water Segment: Alamo River

Pollutant: Silver

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 7 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: freshwater acute and chronic maximum hardness dependent.

Data Used to Assess Water Quality:

Data were collected by the RWQCB on 6/21/2001 at 7 different stations on the Alamo River. Of the 7 samples, all samples were non-detects and did not exceed the criteria (CRBRWQCB, 2004C).

Spatial Representation:

Samples were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8),

AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

Temporal Representation:

All samples were collected on 6/21/2001.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by North Coast Labs.

Region 7

Water Segment: Alamo River

Pollutant: Total Dissolved Solids

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 139 samples exceeded the water quality objectives and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

Colorado River RWQCB Basin Plan: Maximum = 4500 mg/L, and Annual Average = 4000 mg/L for the Alamo River.

Data Used to Assess Water Quality:

On 6/21/2001 seven samples were collected by the RWQCB and there were no exceedances. The average of these values was calculated as well and there was not an exceedance. Additionally, samples were collected monthly by the Imperial Irrigation District (IID) from 1998 through 2003. Samples were collected at 2 locations on the Alamo River. None of the 132 samples were in exceedance (CRBRWQCB, 2004c).

Spatial Representation:

The samples collected on 6/21/2001 were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8), AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

The samples collected monthly were collected at the International Boundary and at the Salton Sea outlet.

Temporal Representation:

Samples were collected on 6/21/2001. Monthly samples were collected from 6/2/1998 through 1/12/2004.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by North Coast Labs. Also used Imperial Irrigation District (IID) SOPs.

Region 7

Water Segment: Alamo River

Pollutant: Toxicity

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.6 of the Listing Policy. Under section 3.6 a single line of evidence is necessary to assess listing status.

Two lines of evidence are available in the administrative record to assess this pollutant. Based on section 3.6 the site does not have significant water or sediment toxicity.

Based on the readily available data and information, the weight of evidence indicates that there is insufficient justification in favor of placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
4. One of 3 samples exhibit sediment toxicity and one of 4 samples exhibit water toxicity and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
5. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because it cannot be determined if applicable water quality standards are exceeded.

Lines of Evidence:

Numeric Line of Evidence Toxicity

Beneficial Use: WA - Warm Freshwater Habitat

Matrix: Sediment

*Water Quality Objective/
Water Quality Criterion:* Basin Plan: All waters shall be maintained free of toxic substances in concentrations which are toxic to, or which produce detrimental physiological responses in human, plant, animal, or indigenous aquatic life.

Evaluation Guideline: Significant toxicity as compared to control.

Data Used to Assess Water Quality: Toxicity testing data generated for 3 sediment samples. One of these samples was toxic (SWAMP, 2004).

Spatial Representation: Two stations were sampled, one at the international boundary with Mexico and the other at the outlet (mouth) of Alamo River into the Salton Sea.

Temporal Representation: All samples taken during the spring (May) and the fall (October) of 2002.
Environmental Conditions: The Alamo River flows from Mexico through the Imperial Valley in the Salton Sea. Most of the water flowing through it comes from agricultural return flows.
Data Quality Assessment: SWAMP QAPP.

Numeric Line of Evidence Toxicity
Beneficial Use: WA - Warm Freshwater Habitat
Matrix: Water
*Water Quality Objective/
Water Quality Criterion:* Basin Plan: All waters shall be maintained free of toxic substances in concentrations which are toxic to, or which produce detrimental physiological responses in human, plant, animal, or indigenous aquatic life.
Evaluation Guideline: Significant toxicity as compared to control.
*Data Used to Assess Water
Quality:* Toxicity testing data generated from 4 water samples. One of these samples was toxic (SWAMP, 2004).
Spatial Representation: Two stations were sampled, one at the international boundary with Mexico and the other at the outlet (mouth) of Alamo River in to the Salton Sea.
Temporal Representation: All samples were taken during the spring (May) and the fall (October) of 2002.
Environmental Conditions: The Alamo River flows from Mexico through the Imperial Valley in the Salton Sea. Most of the water flowing through it comes from agricultural return flows.
Data Quality Assessment: SWAMP QAPP.

Region 7

Water Segment: Alamo River

Pollutant: Zinc

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 7 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: freshwater chronic maximum hardness dependent: 118.14 ug/L (USEPA, 2000) and acute maximum hardness dependent.

Data Used to Assess Water Quality:

Data were collected by the RWQCB on 6/21/2001 at 7 different stations on the Alamo River. Of the 7 samples, all samples were non-detects and did not exceed either of the criteria (CRBRWQCB, 2004c).

Spatial Representation:

Samples were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8),

AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB.

Temporal Representation:

All samples were collected on 6/21/2001.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by North Coast Labs.

Region 7

Water Segment: Alamo River

Pollutant: pH

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. One of the samples exceeded the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. One of the 207 samples exceeded the water quality objective and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

Colorado River RWQCB Basin Plan: Minimum = 6.0 s.u., Maximum = 9.0 s.u.

Data Used to Assess Water Quality:

The Imperial Irrigation District (IID) collected samples monthly from 1998 through 2003 at 2 locations on the Alamo River. One of these 132 samples was in exceedance of the criteria. The pH level was measured as 9.6 s.u. on 11/10/1998 at the Salton Sea outlet. On 6/21/2001 7 samples were collected and there were 0 exceedances. In 2002, 25 samples were collected and 0 were in exceedance. From 1997 to 1998, 28 samples were collected and 0 were in exceedance. Twelve samples were collected and field and lab measurements

were taken for these samples. There were no exceedances. Three samples were collected in January, February and March of 1998. There were no exceedances (CRBRWQCB, 2004C).

Spatial Representation:

For the samples collected on 6/21/2001, they were collected at the following Alamo River sampling stations: AR-B (at the International Boundary), AR-D10 (Lower Alamo River drainshed, at Drop Structure #10), AR-D8 (Central Drain drainshed, at Drop Structure #8), AR-D6A (Holtville Main Drain drainshed, at Drop Structure #6A), AR-D6 (Rose Drain drainshed, at Drop Structure #6), AR-D3 (Central Alamo River drainshed, at Drop Structure #3), and at AR-GRB. The samples collected monthly were collected at the International Boundary and at the Salton Sea outlet. For the samples collected in 2002, they were collected at the International Boundary. Samples were collected at one station for the other samples.

Temporal Representation:

Samples were collected on 6/21/2001 for the 7 samples, 6/2/1998 through 1/12/2004 for the 132 samples, throughout the year from 2/26/1980 through 10/20/1992 for the 25 samples, monthly from January 1997 through March 1998 for the 28 samples, monthly from January 1996 through December 1996 for the 12 samples, and once a month in January, February, and March of 1998 for the 3 samples.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by North Coast Labs. Also used Imperial Irrigation District (IID) SOPs.

Region 7

Water Segment: All American Canal

Pollutant: Turbidity

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status. One line of evidence is available in the administrative record to assess this pollutant.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. One of 6 samples exceeded the water quality objective and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because it cannot be determined if applicable water quality standards are exceeded.

Lines of Evidence:

Numeric Line of Evidence Pollutant-Water

Beneficial Use: MU - Municipal & Domestic

Matrix: Water

Evaluation Guideline: California Code of Regulations: Recommended Secondary Maximum Contaminant Level = 5 NTU for water supplied to the public, because this may adversely affect the taste, odor or appearance of drinking water.

Data Used to Assess Water Quality: Samples were collected by the Imperial Irrigation District (IID) from the All-American Canal once a year as part of the Annual Title 22 source water analysis from 1998 through 2003. One of 6 samples was in exceedance of the recommended criterion. This sample was collected on 6/19/1998 (CRBRWQCB, 2004a).

Spatial Representation: Samples were collected from the All-American Canal at Drop # 4.

Temporal Representation: Samples were collected once a year from 1998 through 2003. Samples were collected in June in 1998-1999, October in 2000-2002, and November in 2003.

QA/QC Equivalent:

Imperial Irrigation District (IID) SOPs and Clinical Laboratory of San Bernardino (CLSB) QA Manual.

Region 7

Water Segment: All American Canal

Pollutant: pH

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. One of the 66 samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. One of 66 samples exceeded the water quality objective and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

AG - Agricultural Supply, AQ - Aquaculture, CO - Cold Freshwater Habitat, FR - Freshwater Replenishment, GW - Groundwater Recharge, IN - Industrial Service Supply, MU - Municipal & Domestic, PO - Hydroelectric Power Generation, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

Colorado River RWQCB Basin Plan: Minimum = 6.0 s.u., Maximum = 9.0 s.u.

Data Used to Assess Water Quality:

Samples were collected monthly by the Imperial Irrigation District (IID) from the All-American Canal from 1998 through 2003. One of 66 samples was in exceedance of the criteria (CRBRWQCB, 2004a).

Spatial Representation: Samples were collected from the All-American Canal below Drop # 1.
Temporal Representation: Samples were collected once a month from 6/21998 through 1/12/2004.
QA/QC Equivalent: Imperial Irrigation District (IID) SOPs.

Region 7

Water Segment: Banner Creek

Pollutant: pH

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of 6 samples exceeded the Minimum = 6.0 s.u., Maximum = 9.0 s.u. water quality objective (CRRWQCB, 1994) and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence Pollutant-Water

Beneficial Use: AG - Agricultural Supply, GW - Groundwater Recharge, IN - Industrial Service Supply, MU - Municipal & Domestic, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix: Water

***Water Quality Objective/
Water Quality Criterion:*** Colorado River RWQCB Basin Plan: Minimum = 6.0 s.u., Maximum = 9.0 s.u.

Data Used to Assess Water Six samples were collected at Banner Queen Ranch from 1988 through 1993.

Quality: There were 0 exceedances (CRBRWQCB, 2004a).
Spatial Representation: Samples were collected on Banner Creek at Banner Queen Ranch.
Temporal Representation: Samples were collected once a year for 5 years.

Region 7

Water Segment: Havasu, Lake

Pollutant: Perchlorate

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under sections 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Two lines of evidence are available in the administrative record to assess this pollutant. No measurements of perchlorate exceed the guideline.

Based on the readily available data and information, the weight of evidence indicates that there is insufficient justification in favor of placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The sediment quality guideline used complies with the requirements of section 6.1.3 of the Policy.
2. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
3. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
4. A remedial effort has been underway since October 2002 to remove perchlorate from a source near Las Vegas, NV. Monitoring data collected before October 2002 are no longer representative of water quality in the River.
4. After September 2002, none of 26 samples exceed the evaluation guideline and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
5. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards are not exceeded.

Lines of Evidence:

Numeric Line of Evidence Pollutant-Water

Beneficial Use: MU - Municipal & Domestic

Matrix: Water

*Water Quality Objective/
Water Quality Criterion:* Basin Plan: No individual chemical or combination of chemicals shall be present in concentrations that adversely affect beneficial uses.

Evaluation Guideline: OEHHA PHG = 6 ppb.

Data Used to Assess Water Quality: Monthly samples were collected by the Metropolitan Water District (MWD) of S. CA at the Colorado River Aqueduct at Lake Havasu (MWD of Southern

California, 2001). Twelve-month averages of the perchlorate concentrations were calculated and compared to the benchmark value of 6 ppb. Of the annual averages from 1998 to 2003 (6 averages), 4 were greater than 6 ppb. The averages in 2002 and 2003 were less than 6 ppb. Of the 76 single samples 21 were greater than 6 ppb.

Note: Annual average concentration has declined from 6.4 ppb in 2000 to 4.8 ppb in 2003 (a 25% decrease) and further decreases are expected in 2004 and 2005 given the steady decline in the mass of perchlorate entering Lake Mead via Las Vegas Wash since early 2003.

Before October 2002, only 3 samples had concentrations of perchlorate below 6 ppb. After September 2002, there have been no exceedances in 26 measurements.

Spatial Representation: Samples were collected at the intake to the Colorado River Aqueduct at Lake Havasu near Parker Dam.

Temporal Representation: Samples were collected monthly from 1998 through 2004. Presently available data are from January 1998 to November 2004.

Data Quality Assessment: MWD QA/QC.

Line of Evidence Remedial Program in Place

Beneficial Use MU - Municipal & Domestic

Data Used to Assess Water Quality: The source of perchlorate is a former perchlorate production site in Henderson, NV. At the site perchlorate enters a wash through groundwater and a surface seep. The perchlorate plume is intercepted at three locations and treated using ion exchange units and a biologically-based fluidized bed reactor. These treatment facilities are 99+ percent efficient at removing perchlorate.

The treatment facilities have been operational since October 2002. Substantial reductions in the perchlorate concentrations entering Lake Mead have been realized.

Spatial Representation: Henderson, NV.

Region 7

Water Segment:	New River (Imperial)
Pollutant:	.alpha.-Endosulfan(Endosulfan 1)
Decision:	Do Not List
Weight of Evidence:	<p>This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.</p> <p>One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.</p> <p>Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.</p> <p>This conclusion is based on the staff findings that:</p> <ol style="list-style-type: none">1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.3. None of the 4 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.
SWRCB Staff Recommendation:	After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.
Lines of Evidence:	

<i>Numeric Line of Evidence</i>	Pollutant-Water
<i>Beneficial Use:</i>	FR - Freshwater Replenishment, IN - Industrial Service Supply, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat
<i>Matrix:</i>	Water
<i>Water Quality Objective/ Water Quality Criterion:</i>	CTR: freshwater acute maximum = 0.22 ppb. CTR: freshwater chronic maximum = 0.056 ppb as a 4-day average.
<i>Data Used to Assess Water Quality:</i>	Data were collected by the RWQCB at four locations on the New River in 2003. All samples were non-detects with a detection limit of 0.011 ppb. Therefore,

there were no exceedances (CRBRWQCB, 2004c).

Spatial Representation:

Data were collected at four locations on the New River, from the international boundary to the outlet to the Salton Sea.

Temporal Representation:

Samples were collected on 4/17/2003.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment:	New River (Imperial)
Pollutant:	.beta.-Endosulfan (Endosulfan 2)
Decision:	Do Not List
Weight of Evidence:	<p>This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.</p> <p>One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.</p> <p>Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.</p> <p>This conclusion is based on the staff findings that:</p> <ol style="list-style-type: none">1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.3. None of the 4 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.
SWRCB Staff Recommendation:	After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.
Lines of Evidence:	

<i>Numeric Line of Evidence</i>	Pollutant-Water
<i>Beneficial Use:</i>	FR - Freshwater Replenishment, IN - Industrial Service Supply, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat
<i>Matrix:</i>	Water
<i>Water Quality Objective/ Water Quality Criterion:</i>	CTR: freshwater acute maximum = 0.22 ppb. CTR: freshwater chronic maximum = 0.056 ppb as a 4-day average.
<i>Data Used to Assess Water Quality:</i>	Data were collected by the RWQCB at four locations on the New River in 2003. All samples were non-detects with a detection limit of 0.018 ppb. Therefore, there were no exceedances (CRBRWQCB, 2004C).
<i>Spatial Representation:</i>	Data were collected at four locations on the New River, from the international

boundary to the outlet to the Salton Sea.

Temporal Representation:

Samples were collected on 4/17/2003.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment: New River (Imperial)

Pollutant: Aldrin

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 4 samples exceeded the CTR: freshwater acute maximum and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence Pollutant-Water

Beneficial Use: FR - Freshwater Replenishment, IN - Industrial Service Supply, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix: Water

***Water Quality Objective/
Water Quality Criterion:*** California Toxics Rule: freshwater acute maximum = 3 ppb.

Data Used to Assess Water Quality: Data were collected by the RWQCB at four locations on the New River in 2003. Of the 4 samples, all samples were non-detects with a detection limit of 0.0096

ppb. Therefore, there were no exceedances (CRBRWQCB, 2004c).

Spatial Representation:

Data were collected at four locations on the New River, from the international boundary to the outlet to the Salton Sea.

Temporal Representation:

Samples were collected on 4/17/2003.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment: New River (Imperial)

Pollutant: Arsenic

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 113 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment

Matrix:

Water

*Water Quality Objective/
Water Quality Criterion:*

USEPA: freshwater acute maximum = 340 ppb, freshwater chronic maximum as a 4-day average = 150 ppb.

*Data Used to Assess Water
Quality:*

All samples were collected on the New River. Samples were collected by the RWQCB from June 1995 through December 2003. None of these 98 samples were in exceedance. Samples were also collected by the RWQCB at 3 locations from 6/11/1996 through 12/4/1996. None of these 6 samples were in exceedance. Samples were also collected by the RWQCB from 10/31/1999 through 11/6/1999. None of these 9 samples were in exceedance (CRBRWQCB, 2004c).

Spatial Representation:

Samples were collected on the New River at the International Boundary. The 6

samples were collected on the New River at the International Boundary, at the International Drain, and at Puente Madero.

Temporal Representation:

The 98 samples were collected monthly from June 1995 to December 2003. The 6 samples were collected on 6 days from 6/11/1996 to 12/4/1996, and the 9 samples were collected monthly from 10/31/1999 to 11/6/1999.

Environmental Conditions:

For the 98 samples, temperature, pH, D.O., and conductivity were also measured.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment: New River (Imperial)

Pollutant: Cadmium

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 113 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment

Matrix:

Water

*Water Quality Objective/
Water Quality Criterion:*

CTR: freshwater acute maximum based on hardness, and freshwater chronic maximum as a 4-day average based on hardness.

*Data Used to Assess Water
Quality:*

All samples were collected on the New River. Samples were collected by the RWQCB from June 1995 through December 2003. None of these 98 samples were in exceedance. Samples were also collected by the RWQCB at 3 locations from 6/11/1996 through 12/4/1996. None of these 6 samples were in exceedance. Samples were also collected by the RWQCB from 10/31/1999 through 11/6/1999. None of these 9 samples were in exceedance (CRBRWQCB, 2004c).

Spatial Representation:

Samples were collected on the New River at the International Boundary. The 6

samples were collected on the New River at the International Boundary, at the International Drain, and at Puente Madero.

Temporal Representation:

The 98 samples were collected monthly from June 1995 to December 2003. The 6 samples were collected on 6 days from 6/11/1996 to 12/4/1996, and the 9 samples were collected monthly from 10/31/1999 to 11/6/1999.

Environmental Conditions:

For the 98 samples, temperature, pH, D.O., and conductivity were also measured.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment: New River (Imperial)

Pollutant: Chromium (total)

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceeded the water quality objectives.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 113 samples exceeded the water quality objectives and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, IN - Industrial Service Supply, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

USEPA: freshwater chronic maximum as a 4-day average based on hardness and freshwater acute maximum = 1724 ppb.

Data Used to Assess Water Quality:

Samples were collected by the RWQCB from June 1995 through December 2003. Of the 98 monthly samples, 0 were in exceedance of the chronic criteria. Samples were also collected by the RWQCB from 10/31/99 through 11/6/99 on. None of the 9 samples were in exceedance. Samples were also collected at three locations from 6/11/96 through 12/4/96. None of the 6 samples were in exceedance (CRBRWQCB, 2004c).

Spatial Representation: All samples, but the 6 samples were collected on the New River at the International Boundary. The 6 samples were collected on the New River at the International Boundary, at the International Drain, and at Puente Madero.

Temporal Representation: The 98 samples were collected monthly from June 1995 through December 2003. The 9 samples were collected monthly from 10/31/99 through 11/6/99. The 6 samples were collected on six days from 6/11/96 to 12/4/96.

Environmental Conditions: For the 98 samples, temperature, pH, D.O., and conductivity were also measured.

Data Quality Assessment: Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment: New River (Imperial)

Pollutant: Copper

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Six of the 113 samples exceeded the water quality criteria.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Six of 113 samples exceeded the criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment

Matrix:

Water

*Water Quality Objective/
Water Quality Criterion:*

CTR: freshwater chronic maximum as a 4-day average based on hardness and freshwater acute maximum based on hardness.

*Data Used to Assess Water
Quality:*

Samples were collected by the RWQCB from June 1995 to December 2003 on the New River at the International Boundary. Of the 98 monthly samples, 6 were in exceedance of the chronic criteria and 0 were in exceedance of the acute criteria. Samples were also collected by the RWQCB at three locations on the New River from 6/11/1996 to 12/4/1996. None of the 6 samples were in exceedance. Samples were also collected by the RWQCB from 10/31/1999 to 11/6/1999 on the New River. None of these 9 samples were in exceedance (CRBRWQCB, 2004c).

Spatial Representation: Samples were collected on the New River at the International Boundary. For the 6 samples, they were collected on the New River at the International Boundary, and at both the International Drain and Puente Madero.

Temporal Representation: The 98 samples were collected monthly from June 1995 to December 2003. The 6 samples were collected on 6 days from 6/11/1996 to 12/4/1996, and the 9 samples were collected monthly from 10/31/1999 to 11/6/1999.

Environmental Conditions: For the 98 samples, temperature, pH, D.O., and conductivity were also measured.

QA/QC Equivalent: Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment: New River (Imperial)

Pollutant: Cyanide

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. One of the samples was in exceedance of the water quality criteria.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. One of 113 samples exceeded the CTR: freshwater chronic maximum and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy. None of the other samples exceeded the criteria.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: freshwater chronic maximum as a 4-day average = 5.2 ppb and freshwater acute maximum = 22 ppb.

***Data Used to Assess Water
Quality:***

Samples were collected by the RWQCB from June 1995 to December 2003 on the New River at the International Boundary. Of the 98 monthly samples, 1 was in exceedance of the chronic criteria and 1 was in exceedance of the acute criteria. Samples were also collected by the RWQCB at three locations on the New River from 6/11/1996 to 12/4/1996. None of the 6 samples were in exceedance. Samples were also collected by the RWQCB from 10/31/1999 to 11/6/1999 on the New River. None of these 9 samples were in exceedance (CRBRWQCB, 2004c).

Spatial Representation: Samples were collected on the New River at the International Boundary. For the 6 samples, they were collected on the New River at the International Boundary, and at both the International Drain and Puente Madero.

Temporal Representation: The 98 samples were collected monthly from June 1995 to December 2003. The 6 samples were collected on 6 days from 6/11/1996 to 12/4/1996, and the 9 samples were collected monthly from 10/31/1999 to 11/6/1999.

Environmental Conditions: For the 98 samples, temperature, pH, D.O., and conductivity were also measured.

QA/QC Equivalent: Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment: New River (Imperial)

Pollutant: Endrin

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 4 samples exceeded the criterion and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because it cannot be determined if applicable water quality standards are exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, IN - Industrial Service Supply, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: freshwater acute maximum = 0.086 ppb and freshwater chronic maximum = 0.036 ppb as a 4-day average.

***Data Used to Assess Water
Quality:***

Data were collected by the RWQCB at four locations on the New River in 2003. All samples were non-detects with a detection limit of 0.013 ppb. Therefore,

there were no exceedances (CRBRWQCB, 2004c).

Spatial Representation:

Data were collected at four locations on the New River, from the international boundary to the outlet to the Salton Sea.

Temporal Representation:

Samples were collected on 4/17/2003.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment: New River (Imperial)

Pollutant: Heptachlor

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 4 samples exceeded the CTR: freshwater chronic and acute criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because it cannot be determined if applicable water quality standards are exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, IN - Industrial Service Supply, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: freshwater acute maximum = 0.52 ppb and freshwater chronic maximum = 0.0038 ppb as a 4-day average.

Data Used to Assess Water Quality:

Data were collected by the RWQCB at four locations on the New River in 2003. All samples were non-detects with a detection limit of 0.010 ppb. The detection limit was greater than the chronic criteria and hence the data could not be assessed in comparison to the chronic criteria. Therefore, there were no exceedances (CRBRWQCB, 2004c).

Spatial Representation:

Data were collected at four locations on the New River, from the international

boundary to the outlet to the Salton Sea.

Temporal Representation:

Samples were collected on 4/17/2003.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment: New River (Imperial)

Pollutant: Heptachlor epoxide

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 4 samples exceeded the CTR: freshwater acute and chronic criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because it cannot be determined if applicable water quality standards are exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, IN - Industrial Service Supply, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: freshwater acute maximum = 0.52 ppb and freshwater chronic maximum = 0.0038 ppb as a 4-day average.

Data Used to Assess Water Quality:

Data were collected by the RWQCB at four locations on the New River in 2003. All samples were non-detects with a detection limit of 0.010 ppb. The detection limit was greater than the chronic criteria and hence the data could not be assessed in comparison to the chronic criteria. Therefore, there were no exceedances (CRBRWQCB, 2004c).

Spatial Representation:

Data were collected at four locations on the New River, from the international

boundary to the outlet to the Salton Sea.

Temporal Representation:

Samples were collected on 4/17/2003.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment: New River (Imperial)

Pollutant: Lead

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. One of the samples exceeded the CTR: freshwater chronic criteria.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. One of 113 samples exceeded the CTR: freshwater chronic criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, IN - Industrial Service Supply, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: freshwater chronic maximum as a 4-day average based on hardness. CTR: freshwater acute maximum based on hardness.

Data Used to Assess Water Quality:

Samples were collected by the RWQCB from June 1995 through December 2003 on the New River at the International Boundary. Of the 98 monthly samples, 1 was in exceedance of the chronic criteria and none were in exceedance of the acute criteria. Samples were also collected on the New River by the RWQCB at 3 locations from 6/11/1996 to 12/4/1996. None of these 6 samples were in exceedance. Samples were also collected by the RWQCB from 10/31/1999 to 11/6/1999 on the New River. None of these 9 samples were in

exceedance (CRBRWQCB, 2004c).

Spatial Representation:

Samples were collected on the New River at the International Boundary. The 6 samples were collected on the New River at the International Boundary, and also at the International Drain and Puente Madero.

Temporal Representation:

The 98 samples were collected monthly from June 1995 through December 2003. The 6 samples were collected on 6 days from 6/11/1996 to 12/4/1996 and the 9 samples were collected monthly from 10/31/1999 to 11/6/1999.

Environmental Conditions:

For the 98 samples, temperature, pH, D.O., and conductivity were also measured.

QA/QC Equivalent:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment: New River (Imperial)

Pollutant: Total Dissolved Solids

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 166 samples exceeded the water quality criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, IN - Industrial Service Supply, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

Colorado River RWQCB Basin Plan: Maximum = 4500 mg/L and Annual Average = 4000 mg/L.

Data Used to Assess Water Quality:

Samples were collected by the RWQCB from June 1995 to December 2003 on the New River at the International Boundary. Of the 97 monthly samples, 12-month averages were calculated and 0 were in exceedance of the criteria. Samples were also collected by the RWQCB on the New River at 3 locations from 6/11/1996 to 12/4/1996. None of these 6 samples were in exceedance. Samples were also collected by the RWQCB from 10/31/1999 to 11/6/1999 on the New River. None of these 9 samples were in exceedance. Samples were also

collected by the Imperial Irrigation District (IID) from 1998 to 2003 at 1 location on the New River. Twelve-month averages were calculated and none of these 54 samples were in exceedance (CRBRWQCB, 2004c).

Spatial Representation:

Most samples were collected on the New River at the International Boundary. For the 6 samples, they were collected on the New River at the International Boundary, and at both the International Drain and Puente Madero. The 54 samples were collected at the New River Sea outlet.

Temporal Representation:

The 97 samples were collected monthly from June 1995 to December 2003. The 6 samples were collected on 6 days from 6/11/1996 to 12/4/1996, and the 9 samples were collected monthly from 10/31/1999 to 11/6/1999. The 54 samples were collected monthly from 6/1/1998 to 1/12/2004.

Environmental Conditions:

For the 97 samples, temperature, pH, D.O., and conductivity were also measured.

Data Quality Assessment:

Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided. Also used Imperial Irrigation District (IID) SOPs.

Region 7

Water Segment: New River (Imperial)

Pollutant: Zinc

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. None of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. None of the 113 samples exceeded the water quality criteria and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence

Pollutant-Water

Beneficial Use:

FR - Freshwater Replenishment, IN - Industrial Service Supply, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix:

Water

***Water Quality Objective/
Water Quality Criterion:***

CTR: freshwater acute maximum based on hardness and freshwater chronic maximum as a 4-day average based on hardness.

Data Used to Assess Water Quality:

Samples were collected by the RWQCB from June 1995 to December 2003 on the New River at the International Boundary. Of the 98 monthly samples, 0 were in exceedance of the criteria. Samples were also collected by the RWQCB on the New River at 3 locations from 6/11/1996 to 12/4/1996. None of these 6 samples were in exceedance. Samples were also collected by the RWQCB from 10/31/1999 to 11/6/1999 on the New River. None of these 9 samples were in exceedance (CRBRWQCB, 2004C).

Spatial Representation: Most samples were collected on the New River at the International Boundary. For the 6 samples, they were collected on the New River at the International Boundary, and at both the International Drain and Puente Madero.

Temporal Representation: The 98 samples were collected monthly from June 1995 to December 2003. The 6 samples were collected on 6 days from 6/11/1996 to 12/4/1996, and the 9 samples were collected monthly from 10/31/1999 to 11/6/1999.

Environmental Conditions: For the 98 samples, temperature, pH, D.O., and conductivity were also measured.

Data Quality Assessment: Used RWQCB QA/QC in sample collection. Lab analysis was done by E.S. Babcock & Sons laboratory and a Quality Assurance Manual was provided.

Region 7

Water Segment: New River (Imperial)

Pollutant: pH

Decision: Do Not List

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under sections 2.1, 3.6, and 3.9 of the Listing Policy. Under section 3.6 a single line of evidence is necessary to assess listing status while under section 3.9, a minimum of two lines of evidence are needed to assess listing status.

Five lines of evidence are available in the administrative record to assess this pollutant. Based on section 3.6 the site does not have significant sediment toxicity and the pollutant is not likely to cause or contribute to the toxic effect. The benthic community is not impacted.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The sediment quality guideline used complies with the requirements of section 6.1.3 of the Policy.
2. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
3. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
4. Four of 8522 samples were in exceedance of the water quality objective, and these do not exceed the allowable frequency listed in Table 3.1 of the Listing Policy. The benthic community in this water body is not impacted.
5. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

SWRCB Staff Recommendation: After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.

Lines of Evidence:

Numeric Line of Evidence Pollutant-Water

Beneficial Use: FR - Freshwater Replenishment, IN - Industrial Service Supply, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix: Water

**Water Quality Objective/
Water Quality Criterion:** Colorado River RWQCB Basin Plan: Minimum = 6.0 s.u., Maximum = 9.0 s.u.

Data Used to Assess Water Samples were collected monthly by the Imperial Irrigation District (IID) from

<i>Quality:</i>	1998 through 2003. Samples were collected at one location on the New River. None of these 54 samples were in exceedance. Samples were also collected monthly in 1996. None of these 12 samples were in exceedance. Samples were collected once a month from January 1997 through March 1998. None of these 15 samples were in exceedance. Samples were also collected each month in 1999. Twenty samples were collected and there were 0 exceedances (CRBRWQCB, 2004c).
<i>Spatial Representation:</i>	Samples were collected at the New River Salton Sea outlet for the 54 samples. The exact collection location(s) is unknown for the 12, 15 and 20 sample size collections.
<i>Temporal Representation:</i>	The 54 samples were taken monthly from 6/1/1998 through 1/12/2004. The 12 samples were collected monthly from 1/23/1996 through 12/17/1996. The 15 samples were collected once a month from 1/28/1997 through 3/17/1998. The 20 samples were collected from 1/21/1999 through 12/14/1999. Samples were collected once a month, except during April through September when there were 2 samples collected each month.
<i>Environmental Conditions:</i>	For the 20 samples all measurements were taken at a depth of 0.5 meters. Samples were taken twice a month during the warmer months of April through September.
<i>Data Quality Assessment:</i>	Imperial Irrigation District (IID) SOPs.

<i>Numeric Line of Evidence</i>	Pollutant-Water
<i>Beneficial Use:</i>	FR - Freshwater Replenishment, IN - Industrial Service Supply, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat
<i>Matrix:</i>	Water
<i>Water Quality Objective/ Water Quality Criterion:</i>	Colorado River RWQCB Basin Plan: Minimum = 6.0 s.u., Maximum = 9.0 s.u.
<i>Data Used to Assess Water Quality:</i>	Samples were collected at nine stations on one day in May and one day in June of 2001. There were 18 samples and 0 exceedances (CRBRWQCB, 2004c).
<i>Spatial Representation:</i>	Samples were collected at Evan Hughes Highway and the International Boundary stations, in addition to 7 other locations which could not be determined based on unrecognizable sample IDs.
<i>Temporal Representation:</i>	Samples were collected on 5/30/2001 and 6/20/2001.
<i>QA/QC Equivalent:</i>	QA/QC used by RWQCB staff.

<i>Numeric Line of Evidence</i>	Pollutant-Water
<i>Beneficial Use:</i>	FR - Freshwater Replenishment, IN - Industrial Service Supply, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat
<i>Matrix:</i>	Water
<i>Water Quality Objective/ Water Quality Criterion:</i>	Colorado River RWQCB Basin Plan: Minimum = 6.0 s.u., Maximum = 9.0 s.u.

Data Used to Assess Water Quality: Samples were collected monthly by the RWQCB at one station on the New River. During each monthly sample, automatic readings were taken each hour from 7A.M. until 2P.M.. In evaluating the pH data, the daily maximum and minimum were compared to the criteria. A total of 192 readings were taken (on 24 dates). Assessing the data based on the daily maximum/minimum, there were 0 exceedances out of 24 days of measurements (CRBRWQCB, 2004c).

Spatial Representation: Unknown.

Temporal Representation: Samples were collected monthly from 8/1/1995 to 7/8/1997.

Environmental Conditions: Flow, water temperature, DO, turbidity, and conductivity were all measured.

QA/QC Equivalent: QA/QC used by RWQCB staff.

Numeric Line of Evidence Pollutant-Water

Beneficial Use: FR - Freshwater Replenishment, IN - Industrial Service Supply, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix: Water

Water Quality Objective/ Water Quality Criterion: Colorado River RWQCB Basin Plan: Minimum = 6.0 s.u., Maximum = 9.0 s.u.

Data Used to Assess Water Quality: Samples were collected by the RWQCB during June of 1993 and May and July of 1999. There were a total of 6012 measurements over 39 days. The objective was exceeded a total of 16 times on 3 days (5/14/99, 7/8/99, and 7/16/99). Assessing the data based on the daily maximum/minimum this means there were 3 exceedances out of 39 days of measurements (CRBRWQCB, 2004c).

Spatial Representation: Samples were collected on the New River at Mexicali.

Temporal Representation: Measurements were taken multiple times each day during the following periods: 6/21/93-6/28/93, 5/1/99-5/14/99, and 7/7/99-7/11/99.

Environmental Conditions: Other information collected includes water temperature, conductivity, and DO.

QA/QC Equivalent: QA/QC used by RWQCB staff.

Numeric Line of Evidence Pollutant-Water

Beneficial Use: FR - Freshwater Replenishment, IN - Industrial Service Supply, R1 - Water Contact Recreation, R2 - Non-Contact Recreation, RA - Rare & Endangered Species, WA - Warm Freshwater Habitat, WI - Wildlife Habitat

Matrix: Water

Water Quality Objective/ Water Quality Criterion: Colorado River RWQCB Basin Plan: Daily Minimum = 6.0 s.u., Daily Maximum = 9.0 s.u.

Data Used to Assess Water Quality: A total of 2199 measurements were taken over 6 days in April and May of 1999 (4/28/99, 5/6/99, and 5/11/99-5/14/99). The maximum was exceeded 10 times in the 2199 measurements, however, the exceedances were all on one day (5/14/99). Assessing the data based on the daily maximum/minimum, there was 1 exceedance out of 6 days of measurements (CRBRWQCB, 2004c).

Spatial Representation: Unknown.

Temporal Representation:

Measurements were taken on 6 days in April and May of 1999 (4/28/99, 5/6/99, and 5/11-14/99). Measurements on the first two dates were taken in the morning and early afternoon. For the period of May 11 through May 14, measurements were taken every 2 minutes for the duration of those four days.

Environmental Conditions:

Other parameters were measured, including water temperature, specific conductance, DO, turbidity, ORP, chloride, ammonium, and nitrate.

QA/QC Equivalent:

QA/QC used by RWQCB staff.

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